

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) An adaptive information compression system comprising:
means for evaluating segments of a radio frequency signal to determine which segments are active, each segment representing a specific channel at a specific frequency;
means, responsive to said means for evaluating, for reformatting the active segments into a contiguous order in a signal with a lower bandwidth than said radio frequency signal.
2. (Currently Amended) The system of claim 1, wherein said means for evaluating comprises:
means for calculating a power value for each of said segments of said radio frequency signal; and
means for comparing the power of each of said segments of said radio frequency signal to a predetermined threshold value.
3. (Original) The system of claim 1, further comprising:
means for recreating said radio frequency signal by modulating each of said active segments on their respective specific frequencies.

4. (Currently Amended) A method for adaptive information compression comprising the steps of:

evaluating segments of a radio frequency signal to determine which segments are active, each segment representing a specific channel at a specific frequency;
and

based on said evaluating, reformatting the active segments into a contiguous order in a signal with a lower bandwidth than said radio frequency signal.

5. (Currently Amended) The method of claim 4, wherein said step of reformatting further comprises:

calculating a power value for each of said segments of said radio frequency signal; and

comparing the power of each of said segments of said radio frequency signal to a predetermined threshold value.

6. (Original) The method of claim 4, further comprising:
recreating said radio frequency signal by modulating each of said active segments on their respective specific frequencies.